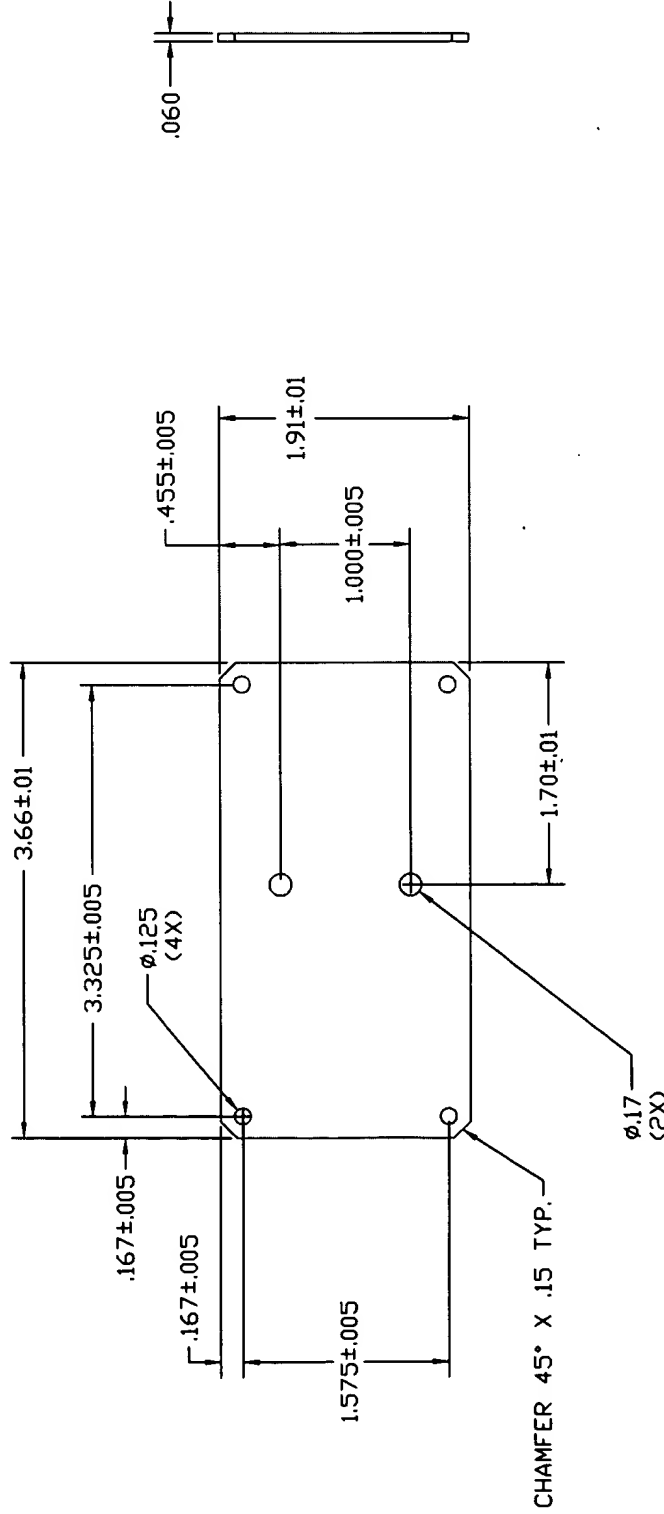


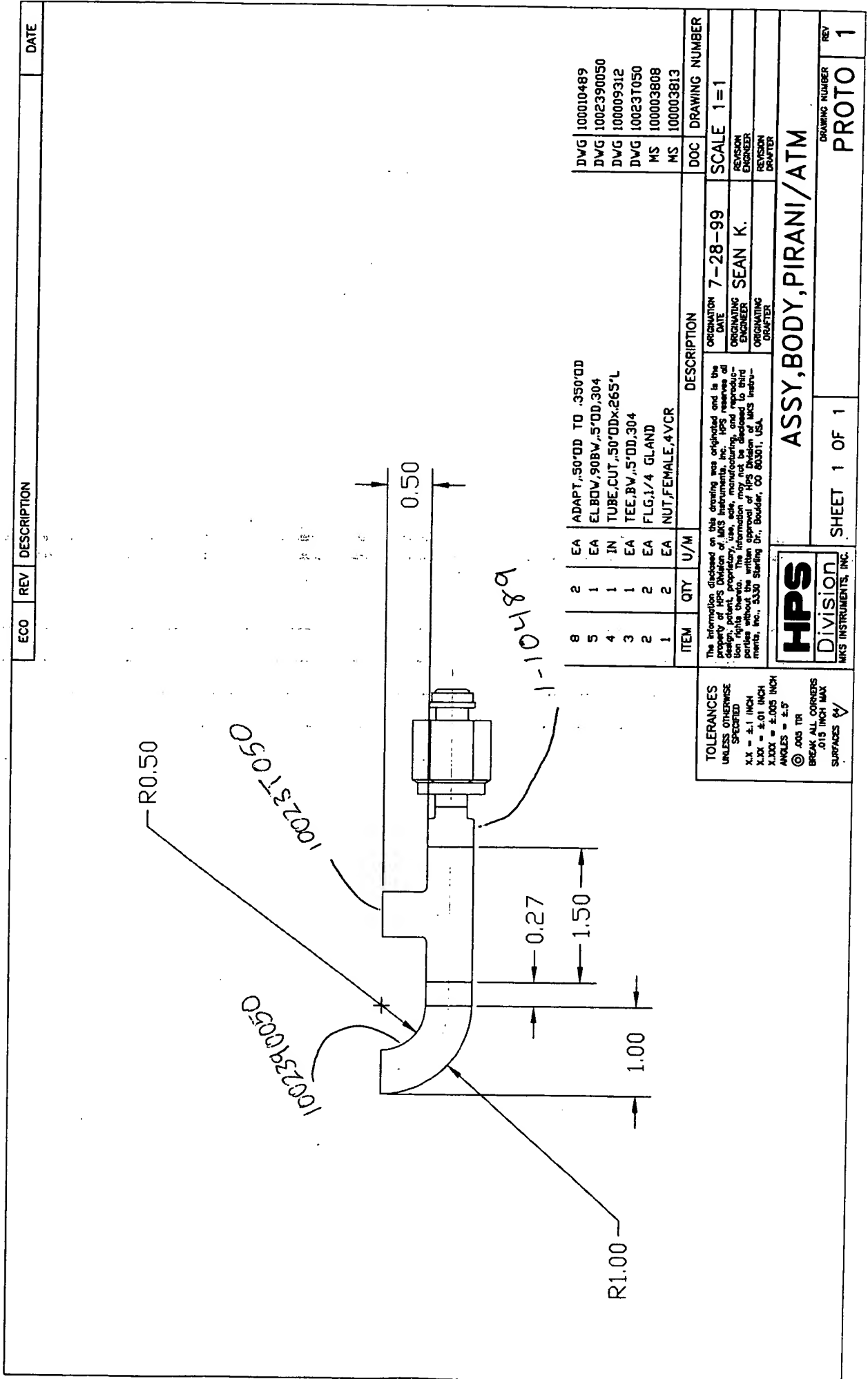
ECO	REV	DESCRIPTION	DATE
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NOTES:

- PART TO BE FREE OF OIL & DIRT.
- PANEL TO BE FREE OF BURRS AND SURFACE DEFECTS.
- USE STANDARD D-SUB PUNCH, TO BE PRE-APPROVED BY HPS.
- PART TO TREATED PER AA-M10A232 COMMERCIAL GRADE SURFACE W/BLACK ANODIZE FINISH 0.0002" THICK, MIN.

ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
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			ORIGINATOR	DATE	SCALE
			ORGANIZING ENGINEER	4-14-99	1=1
			ORIGINATING ENGINEER	S.KLUECKMAN	REVISION NA
			ORIGINATING DRAFTER	NA	REVISION NA
<p>HPS Division MKS INSTRUMENTS, INC.</p>					
<p>BARATRON, BOTTOM COVER</p>					
<p>SHEET 1 OF 1</p>				DRAWING NUMBER	100010688
				REV	1



ECO	REV	DESCRIPTION	DATE
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ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
8	2	EA	ADAPT, .50"OD TO .350"OD	DWG	100010489
5	1	EA	ELBOW, 90BW, .5"OD, .304	DWG	1002390050
4	1	IN	TUBE, CUT, .50"OD x .265" L	DWG	100009312
3	1	EA	TEE, BW, .5"OD, .304	DWG	10023T050
2	2	EA	FLG, 1/4 GLAND	MS	100003808
1	2	EA	NUT, FEMALE, 4VCR	MS	100003813

ORIGINATOR	DATE	SCALE	1=1
ORIGINATING ENGINEER	SEAN K.	REVISION	
ORIGINATING ENGINEER		REVISION	
ORIGINATING DRAFTER		REVISION	

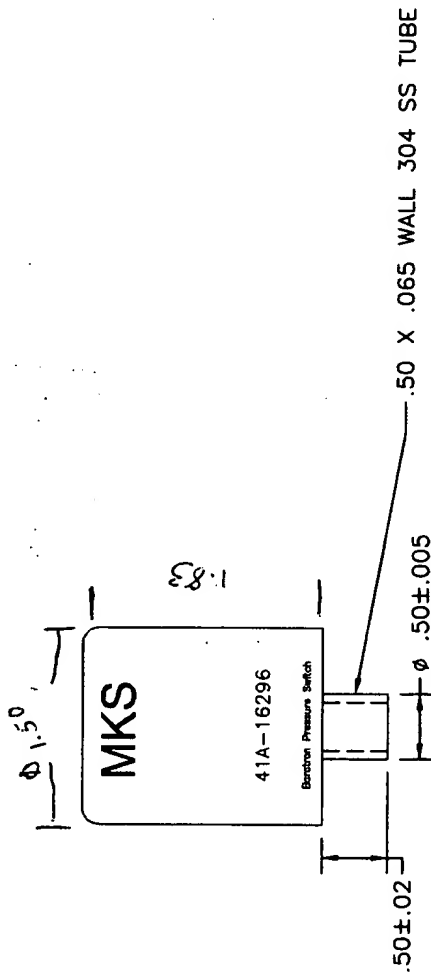
HPS
Division
MKS INSTRUMENTS, INC.

ASSY, BODY, PIRANI/ATM

SHEET 1 OF 1

DRAWING NUMBER
PROTO 1

TOLERANCES UNLESS OTHERWISE SPECIFIED
X.X = ±.1 INCH
X.XX = ±.01 INCH
X.XXX = ±.005 INCH
ANGLES = ±.5°
© .005 TR
BREAK ALL CORNERS .015 INCH MAX
SURFACES FA

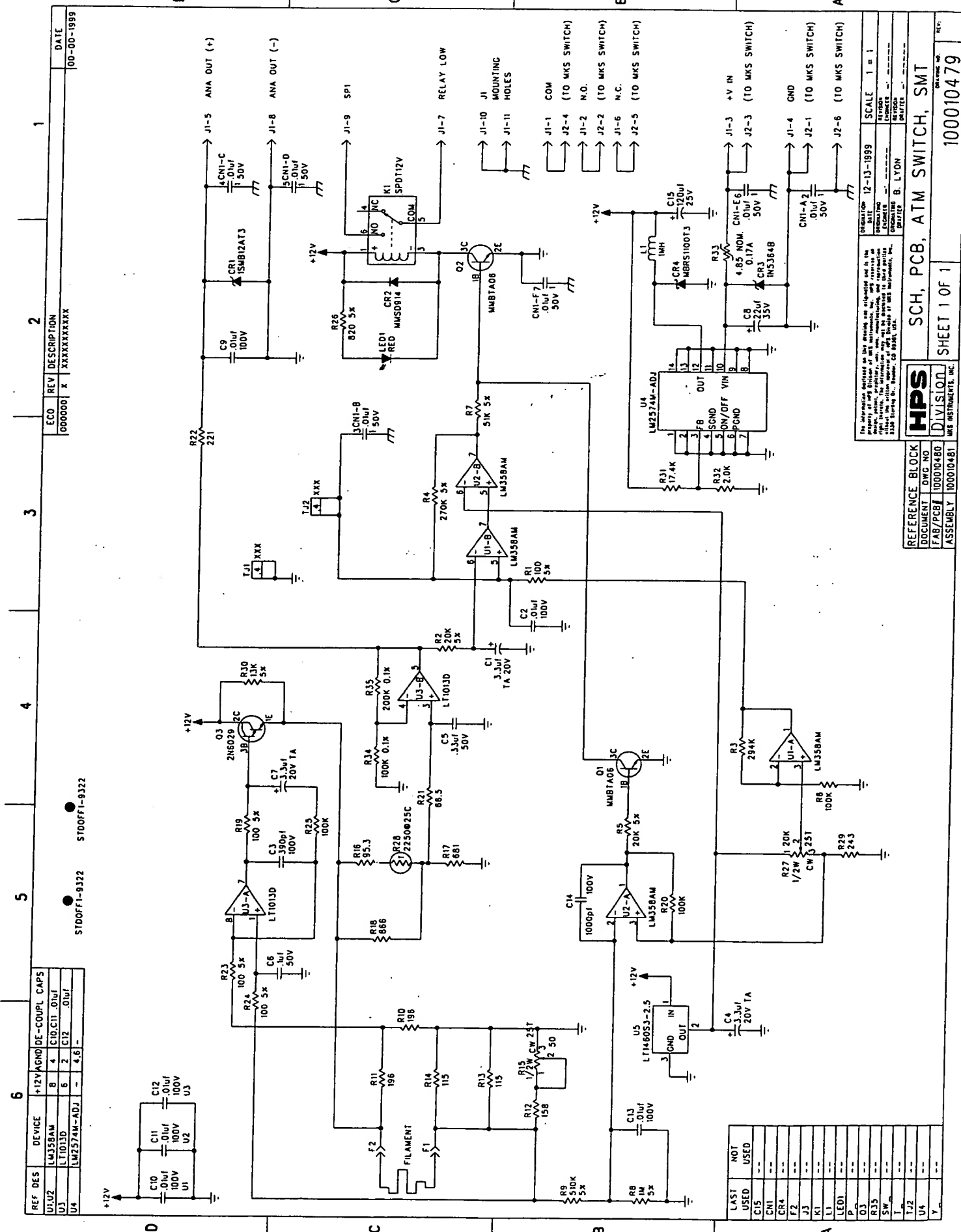


ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
			ORGANIZATION 8/26/99	SCALE 1=1	
			ORGANIZING J. MUELLER	REVISION ENGINEER N/A	
			ORGANIZING J. MUELLER	REVISION DRAFTER N/A	
			BARATRON PRESSURE SW. MODIFIED		
			SHEET 1 OF 1		
			41A-16296 MKS SW. A		
			DRAWING NUMBER		
			REV		

TOLERANCES
UNLESS OTHERWISE SPECIFIED
X.X = ±.1 INCH
X.XX = ±.01 INCH
X.XXX = ±.005 INCH
ANGLES = ±.5°
© .005 TR
BREAK ALL CORNERS .015 INCH MAX
SURFACES R_A

HPS
Division
MKS INSTRUMENTS, INC.

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1. PART TO BE FREE OF OIL & DIRT.
2. PANEL TO BE FREE OF BURRS AND SURFACE DEFECTS.
3. USE STANDARD D-SUB PUNCH, TO BE PRE-APPROVED BY HPS.
4. PART TO TREATED PER AA-M10A232 COMMERCIAL GRADE SURFACE W/BLACK ANODIZE FINISH 0.0002" THICK, MIN.

TOLERANCES UNLESS OTHERWISE SPECIFIED X.XX = ±.01 INCH X.X = ±.01 INCH X.XX = ±.01 INCH ANGLES = ±.01 INCH		ITEM QTY U/M		DESCRIPTION		DOC DRAWING NUMBER	
The information contained on this drawing was prepared and is the property of HPS Division of MDC Instruments, Inc. and is not to be distributed outside the company. It is the responsibility of the user to protect this information. No part of this drawing may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the written approval of HPS Division of MDC Instruments, Inc. 10001 Stewart Dr., Boulder, CO 80501, USA.		OPERATION DATE 12-21-99 QUANTITY NA DIMENSIONS DRAWN BY S.KLUCKMAN CHECKED BY SAK DATE 01/04/00		SCALE 1=1 REVISION NA DRAWN BY CHECKED BY		DRAWING NUMBER REV 100010689 1	
HPS Division MDC INSTRUMENTS, INC. 10001 Stewart Dr. Boulder, CO 80501		SHEET 1 OF 1		BARATRON, TOP COVER		BREAK ALL CORNERS .010 INCH MAX SURFACES ∇	

